



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES**

RECEIVED

AUG 30 2004

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		MISSOURI LAND RECLAMATION COMMISSION	
Capital Quarries Company, Inc.		July 12, 2004	
ADDRESS	CITY	STATE	ZIP CODE
822 West Stadium Blvd.		MO	65109
CONTACT PERSON		TELEPHONE NUMBER	
Mr. Tommy Crouch, Compliance Manager		573-634-4800	
Check any that apply:			
<input type="checkbox"/> New Permit <input type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input checked="" type="checkbox"/> Permit Expansion			
SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)	
1. High Hill Quarry	see Note	S-9, 10, 15, 16, T-47N, R-04W, Warren/Montgomery Counties	
2.			
3.			
4.			
5.			
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14.			
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16.			
17.			
18.			
19.			
20.		Note: 166 acre Expansion - Mine Plan Area Increase only	
ATTACH ADDITIONAL SHEETS IF NECESSARY			
SIGNATURE OF APPLICANT	TITLE	DATE	
<i>E. S. Strape</i>	PRESIDENT	7/12/04	
Appeared before me this <u>12<sup>th</sup></u> day of <u>July</u> , 20 <u>04</u> . <u>Eric S. Strape</u> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE	COUNTY (OR CITY OF ST. LOUIS)	
	Missouri	Cole	
SUBSCRIBED AND SWORN BEFORE ME, THIS		USE RUBBER STAMP IN CLEAR AREA BELOW	
12 <sup>th</sup> DAY OF July 20 04			
NOTARY PUBLIC SIGNATURE	MY COMMISSION EXPIRES		
<i>Carol Ann Galloway</i>	Oct 8, 2006		
NOTARY PUBLIC NAME (- TYPED OR PRINTED)			
CAROL ANN GALLOWAY		CAROL ANN GALLOWAY Notary Public - Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Oct. 8, 2006	
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBER	EXPIRATION DATE

ATTACH FEES AND BONDING WORKSHEET.

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		DATE
Capital Quarries Company, Inc.		July 12, 2004
<b>FEEs: COMPLETE SECTION I OR SECTION II</b>		
<b>SECTION 1. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:</b>		
<b>1. To compute the site fee complete the columns and lines below:</b>		
List SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six (6) months per permit year pay \$150.00  For sites operated six (6) months or more per permit year pay \$300.00
High Hill Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ N/A
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
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	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
<b>TOTAL SITE FEE</b>		→ \$ N/A
<b>2. Acreage fee: \$5 X -0- new number of acres bonded \$0.00</b>		
<b>3. Annual permit fee: \$500.00 N/A</b>		
<b>4. Total Fee: Add Totals from 1, 2, and 3 \$0.00</b>		
<b>NOTE: If Total Fee exceeds \$2,500.00 then pay only \$2500.00</b>		
<b>SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:</b>		
<b>1. Annual permit fee: \$300.00</b>		
<b>III. BONDING - for all EXCEPT In-Stream mine sites:</b>		
<b>A. For sand and gravel operators mining less than five thousand (5,000) tons/year:</b>		
Number of new acres _____ X \$500/acre		\$ N/A
<b>B. For ALL other open pit operations:</b>		
Minimum per permit		<b>\$8,000.00</b>
Acreage over 8 acres 776 X \$500/acre		\$ 388,000
<b>TOTAL BONDING REQUIRED</b>		<b>\$396,000</b>
<input checked="" type="checkbox"/> Check here if adequate bonding is already posted.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER		PERMIT NUMBER		MISSOURI LAND RECLAMATION COMMISSION
High Hill Quarry		0234		
COMPANY NAME				
Capital Quarries Company, Inc.				
COUNTY	1/4 SECTION	SECTION		
Warren/Montgomery	NE/SE/SW/NW	9/10/15/16		
TOWNSHIP	RANGE	ACRES		
47N	04W	230		
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
N/A				
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)		
Limestone		N/A		

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)		
Floating Acres Ranch, Inc.		
ADDRESS		
24 Casper Lane		
CITY	STATE	ZIP CODE
Jonesburg	MO	63351
SOURCE OF RIGHT TO MINE (CHECK ONE):		DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED		March 2003
<input checked="" type="checkbox"/> LEASE		
<input type="checkbox"/> VERBAL AGREEMENT		
<input type="checkbox"/> WARRANTY DEED		
<input type="checkbox"/> OTHER (DESCRIBE):		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)		
As Above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE):		
<input type="checkbox"/> MINERAL DEED		DATE OF AGREEMENT
<input type="checkbox"/> LEASE		
<input type="checkbox"/> VERBAL AGREEMENT		
<input type="checkbox"/> WARRANTY DEED		
<input type="checkbox"/> OTHER (DESCRIBE):		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLAN

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P.O. BOX 176  
JEFFERSON CITY, MO 65102

MISSOURI LAND  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE).

☐ SHORT TERM. FOR ONE PERMIT YEAR

COMPANY NAME Capital Quarries Company, Inc. - High Hill Quarry

☒ LONG TERM. FOR PERIOD THROUGH DATE: 2023

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR). INCLUDING SOIL VEGETATION AND TOPOGRAPHY.

This mine plan covers 230 acres. This is an existing quarry that has been open since about 1961. It was originally permitted by Capital Quarries in 1988 and operated until 1994, when it was transferred to Fred Weber Quarries, who in turn transferred the site to Casper's High Hill Qy in 2001. The site is situated in very rugged terrain and most of it has been affected by past mining activities. Clay pits are located within portions of the mine plan area as well as to the east. Areas not affected by mining are wooded, mostly oak-hickory. Slopes average 10-20%. Topsoil is thin to nonexistent due to the degree of slope, woodland setting, and past mining activities. Drainage is from northeast to southwest along the eastern margin of the mine plan.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-2 (est) INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

If topsoil is encountered within undisturbed parts of the mine plan area as mining progresses, it and underlying subsoil to a depth of 12" will be removed ahead of the leading edge of the pit using dozers and scrapers.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

If encountered, topsoil salvaged during mining operations will be stockpiled using scrapers/end dumps in protected areas, away from drainages or other low-lying areas, and seeded with a temporary grass cover to avoid excessive wind and water erosion. Topsoil stockpiles will be placed within bonded areas of the permit. If necessary, berms will be erected around stockpiles.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil will be handled using a combination of dozers/end dumps/scrapers. It will be consolidated along the northern and eastern parts of the permit area. Some spoil may also be used for the construction of safety/privacy berms along the margins of the permit.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. ACID MATERIALS**

(DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Detail Map

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE. For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020( )2.			
A. REVEGETATION (Attach additional sheets, if needed)			
REVEGETATION MIX #1	PURPOSE OR LAND USE <b>Industrial</b>	B. SEEDING OR PLANTING TIME <b>Fall (9/1-10/15); Spring (3/15-5/1)</b>	
DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING			
<p>Seed will be drilled or broadcast using a cyclone seeder in select areas of the industrial reclamation. If broadcast, seed will be worked into the ground using a harrow or similar tool designed for that purpose. Industrial areas that may require revegetation include safety/visibility berms, spoil banks, and isolated parts of the mine plan area.</p> <div style="text-align: right; font-size: 1.2em; font-weight: bold;">RECEIVED</div> <div style="text-align: right; font-size: 1.1em;">APR 28 2003</div> <div style="text-align: right; font-size: 0.8em;">MISSOURI LAND RECLAMATION COMMISSION</div>			
Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	10		
Smooth Brome	5		
Crown Vetch	3		
Alfalfa/Red Clover	5		
REVEGETATION MIX #2			
PURPOSE OR LAND USE		SEEDING OR PLANTING TIME	
DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING			
Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.			

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Spoil disposal areas will be graded to a free-draining topography traversable by farm machinery and suitable for the intended land use. A maximum of 25% of the spoil placement area may consist of steeper slopes, but will be graded to a minimum width of 30' or 1/2 the diameter of the base of the pile, whichever is less. A consolidated materials highwall may remain after mining.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Will be completed within 12 months after expiration or renewal of the permit unless those areas are needed as part of the active operations at the site.

**REPLACEMENT OF TOPSOIL**

Will be completed within 12 months after expiration or renewal of the permit unless those areas are needed as part of the active operations at the site.

**REVEGETATION**

Seeding will be conducted within 24 months of grading and/or topsoiling of inactive parts of the mine site.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

12" (incl. subsoil) - excludes industrial areas

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

230


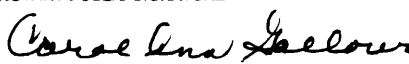
Water impoundments (for wildlife, agricultural, or development)

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By my signature, I attest to the following:

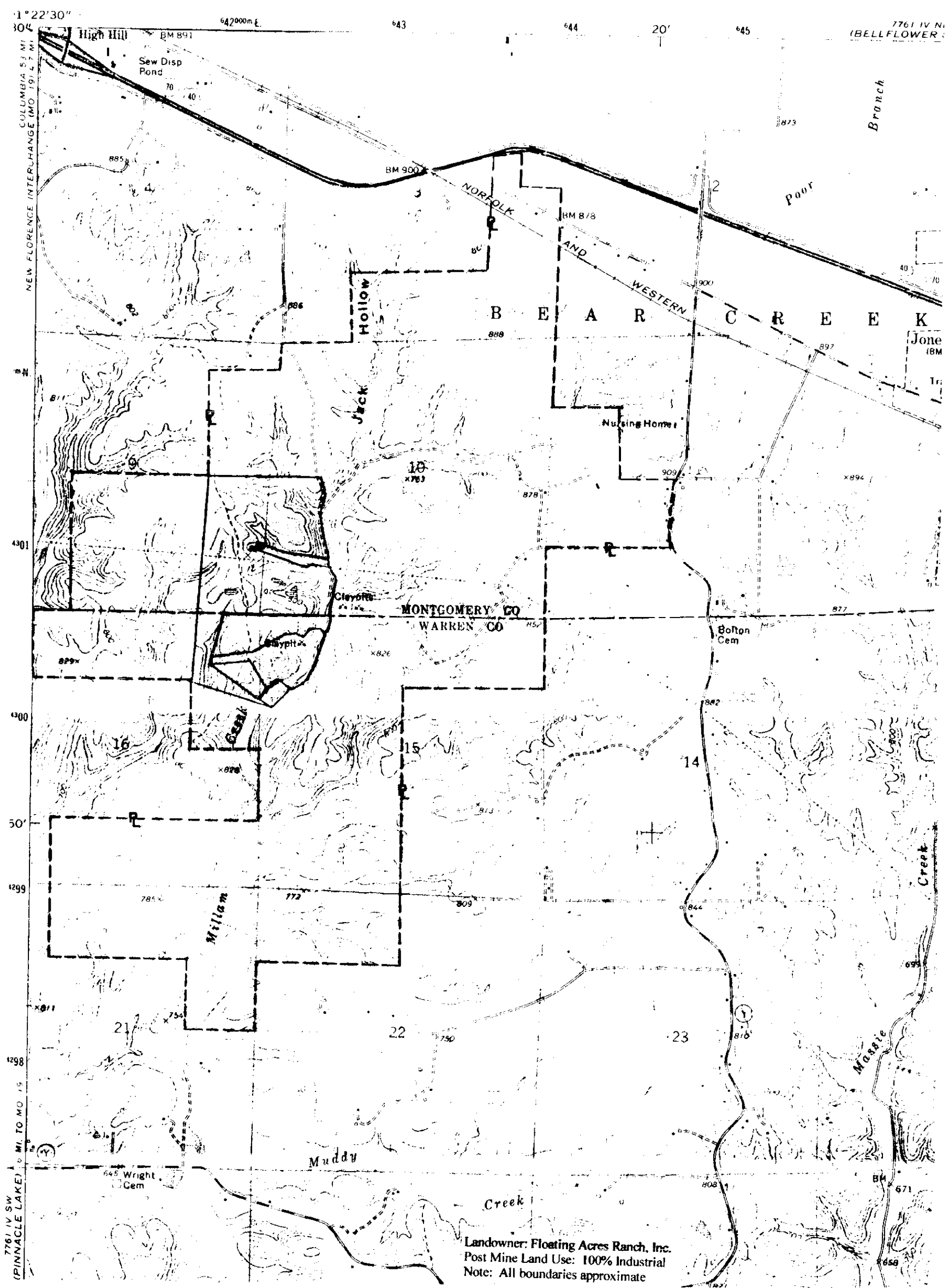
MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE PRES PRESIDENT	DATE 7/12/04
NOTARY PUBLIC EMBOSSEER SEAL		STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Cole
SUBSCRIBED AND SWORN BEFORE ME. THIS 12 <sup>th</sup> DAY OF July 2004		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE 		MY COMMISSION EXPIRES Oct 8, 2006	
NOTARY PUBLIC NAME (TYPED OR PRINTED) CAROL ANN GALLOWAY		CAROL ANN GALLOWAY Notary Public Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Oct. 8, 2006	
FOR DEPARTMENT USE ONLY: APPROVED BY		DATE APPROVED	PERMIT NUMBER 0234



LOCATOR MAP  
Capital Quarries Co., Inc. - Permit #0234  
2003 Permit Expansion (Mine Plan Area Only)



Source: Jonesburg Quad., 1985

Scale: 1" = 2,000'

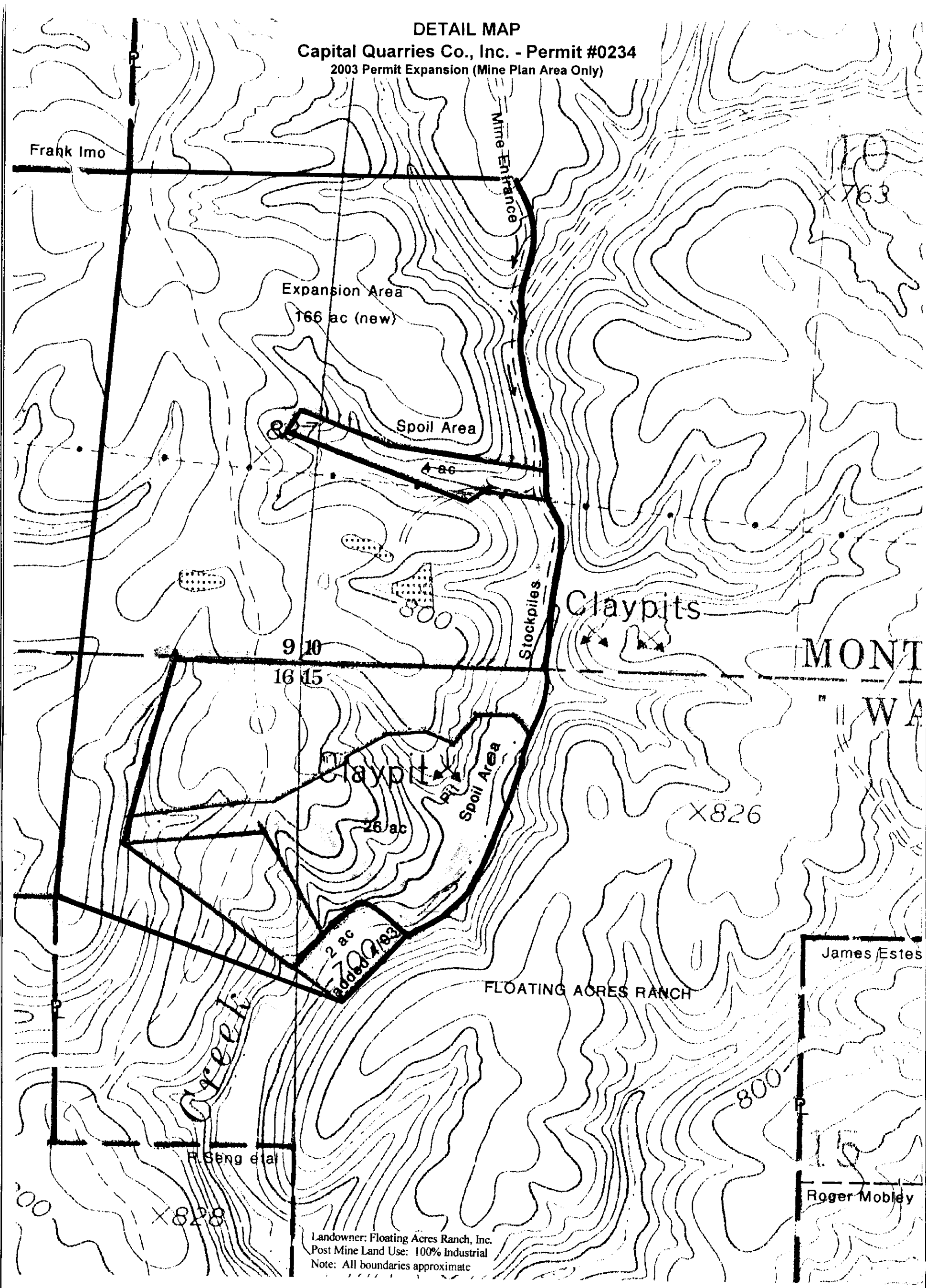
**High Hill Quarry**  
**S-9/10/15/16, T-47N, R-04W, Warren/Montgomery Counties**  
☐ **Mine Plan: 230 ac (166 ac New)**  
☐ **Permitted: 32 ac (No Change)**  
Prepared July 2004, M.C. Carlson

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**GREDELL Engineering Resources, Inc.**  
1505 East High Street  
Jefferson City, Missouri 65101  
Telephone (573) 659-9078  
Facsimile (573) 659-9079

DETAIL MAP  
Capital Quarries Co., Inc. - Permit #0234  
2003 Permit Expansion (Mine Plan Area Only)



Source: Jonesburg Quad., 1985

Scale: 1" = 500'

**High Hill Quarry**  
S-9/10/15/16, T-47N, R-04W, Warren/Montgomery Counties

☐ Mine Plan: 230 ac (166 ac New)

☐ Permitted: 32 ac (No Change)

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**GREDELL Engineering Resources, Inc.**  
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Jefferson City, Missouri 65101  
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